

PAWLAK, Zofia; SWIDERSKI, Jan

Studies on acylmonoses. Pt. 7. Roczniki chemii 37 no.4:449-455 '63.

1. Department of Organic Chemistry, University, Warsaw.

PAWLAK, Zofia

Studies on alcynonoses. Pt. 8. Roczniki chemii 37 no.4:457-466 '63.

1. Department of Organic Chemistry, University, Warsaw.

Lh828

S/044/63/000/001/052/053  
A060/A000

9.7100

AUTHOR: Pawlak, Z.

TITLE: New conception of two-address computer

PERIODICAL: Referativnyy zhurnal, Matematika, no. 1, 1963, 53, abstract 1V282  
(Bull. Acad. polon. sci. Sér. sci. techn., 1961, v. 9, no. 5, 313 -  
315, English)

TEXT: The paper gives the organization of a two-address computer in which both addresses are the arguments of an operation, since the result of every operation is automatically placed in a definite order in the memory storage of the computer without program participation. Inasmuch as the results of the operations in general are located in addresses unknown to the programmer, being used as arguments in the program instead of every machine address of these results, one writes the symbol \* (asterisk). For the selection from the memory storage of the required argument to be unambiguous it is required that the ordinal number of that symbol \* (counting from the beginning of the program) be equal to the number of the command whose result one wishes to utilize in that operation as

Card 1/2

43005

8/194/62/000/010/004/084  
A154/A126

16 6700

AUTHOR: Pawlak, Z.

TITLE: Realization of the rule of substitution in an addressless computer without a working memory

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 10, 1962, 9, abstract 10-1-18r (Bull. Acad. polon. sci. techn., 1961, v. 9, no. 10, 579 - 580; English; summary in Russian)

TEXT: The rules of substitution are examined according to which the determination of the function of a function is performed in an addressless computer. Substitution is possible either of the function value corresponding to the given value of the variable, or of the character designating the function. For example,

$$\begin{aligned}x &= /F(a) F(b) \cdot * c, \\y &= - G(t) k/xu - * *, \\z &= \cdot H(x) p - xF(y) \cdot * *,\end{aligned}$$

where in the formula  $z = \cdot f(x) p - xF(y) \cdot * *$  the value of the function

Card 1/2

ACC NR: AP6020420 (A, N) SOURCE CODE: PO/0087/66/000/002/0058/0059

AUTHOR: Pawlak, Z. (Sea captain of ship Karpaty)

ORG: none

TITLE: More on the technique of transporting liquid in tankers

SOURCE: Technika i gospodarka morska, no. 2, 1966, 58-59

TOPIC TAGS: cargo ship, <sup>high</sup> pressure valve, ship component

ABSTRACT: The H. Jurkiewicz and Romuald Wyrwy-Hofman paper on "Technique of transporting liquids in tankers" (Technika i gospodarka morska, Nr.10, 1965) is critically discussed, particularly notes on prevention of evaporation loss, on the magnitude of such losses on the ship "Karpaty," and on recommended measures to decrease such losses. Pressure-adjustable valves whose operation is recommended do not exist on the ship and manipulation of safety valves is prohibited by safety regulations. Daily variations of sea and water temperatures do not cause the opening of safety valves and evaporation loss from naptha loads, as shown by calculating the corresponding vapor pressures and air pressure. The pressure increase in tanks, caused by temperature differences in the port of loading and during the travel, is the cause of evaporation loss. This loss cannot be prevented without endangering the safety of tanks.

4672

h1758  
S/194/62/000/008/003/100  
D222/D309

AUTHOR: Pawlak, Z.

TITLE: Realization of the rule of substitution in an addressless digital computer

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 8, 1962, abstract 8-1-16 b (Bull. Acad. polon. sci. Sér. sci. techn., 1961, v. 9, no. 9, 531-534 [Eng., summary in Rus.])

TEXT: A method is described for the realization of the rule of substitution of arguments in the evaluation of composite functions with a computer using addressless input. A composite function is represented by a sequence  $x_1 = F_1, x_2, \dots, x_i = F_i, \dots, x_n = F_n$ , in which for all  $1 \leq i < n$  there is always at least one  $i < j \leq n$ , for which  $F_j \supset F_i$  ( $\supset$  is the symbol for inclusion). In order to describe the process of evaluating the terms of this sequence a bracket-free notation is used (see RZhAIRE, 1962, 4-1-27 g), which is augmented by the symbols of the addresses (' for the address of a variable).  
Card 1/3

S/194/62/000/008/003/100  
D222/D309

Realization of the rule of ...

riable, " for the address of another address, and so on), and a symbol for the transfer of the result (=). The concept of the length of a formula (n) is introduced as the number of symbols for arithmetical operations. Definitions are given for simple, standard and composite formulas. A simple formula is described only by symbols of variables, and its maximal length cannot exceed some constant, defined by the parameters of the given computer. The standard formulas are sin, cos, ln and other elementary functions described by only two variables, which occur most often in repetitive calculations. A list of these formulas is assembled in advance for the given computer. A composite formula includes symbols of variables, and the addresses of simple and standard formulas. For example,  $x = /** + ab.cd$  (simple);  $y = + c*x'a$  (composite);  $z = hu$  (standard);  $w = /*y' + az'$  (composite, giving the final result). In order to evaluate the value of a composite formula represented in this way, the computer must have a group of memory units (to store the composite, standard and simple formulas, partial results and values of functions), an arithmetic unit, a unit to control the arguments, a unit to control the formulas and 3 address registers (naming the standard functions, values of the addresses of functions and the

Card 2/3

Realization of the rule of ...

S/194/62/000/008/003/100  
D222/D309

addresses of the arguments of standard functions). A block diagram and a short description of the interaction of various units in an addressless computer are given. 2 references. [Abstracter's note: Complete translation.]

Card 3/3



S/044/63/000/002/044/050  
AD60/A126

AUTHOR: Pawlak, Z.

TITLE: Realization of memory of partial results in certain parenthesis-free formalisms

PERIODICAL: Referativnyy zhurnal, Matematika, no. 2, 1963, 74, abstract 2V425  
(Bull. Acad. polon. sci. Sér. sci. techn., 1961, v. 9, no. 8, 487 - 490; English; summary in Russian)

TEXT: A comparison is given of two methods of parenthesis-free writing of formulae from the viewpoint of their utilization in digital computers. The volume of memory storage for intermediate results is used as the comparison criterion. Both methods (recording languages  $L_1$  and  $L_2$ ) are based on the representation of an arithmetic formula in the form of a tree, i.e., every formula may be decomposed into two subformulae connected by the symbol of one of the arithmetic operations; every subformula in its turn is decomposable into two, and so on. The language  $L_1$  represents a modification of the Łukasiewicz notation and differs from language  $L_2$  by the numerical ordering of the arithmetic

Card 1/2

Realization of memory of partial results in certain ... s/044/63/000/002/044/050  
A060/A126

cal operations. Here the language  $L_1$  turns out to be more convenient for application, and requires a smaller volume of memory for the intermediate results.

S.A. Raskutin

[Abstracter's note: Complete translation]

Card 2/2

PAWLAK, Z.

S/271/63/000/001/034/047  
D413/D308

AUTHOR:

Pawlak, Z.

TITLE:

Realization of certain classes of recursive formulas  
on an addressless computer

PERIODICAL:

Referativnyy zhurnal, Avtomatika, telemekhanika i  
vychislitel'naya tekhnika, no. 1, 1963, 36, abstract  
18195 (Bull. Acad. polon. sci. Ser. sci. techn.,  
v. 9, no. 11, 1961, 651-653 (Eng.: summary in Rus.))

TEXT:

The author describes an addressless computer design-  
ed for computing recurrence formulas of the form:

$$\begin{aligned} & a_0 + a_1 + a_2 + \dots + a_n, \\ & a_0 \cdot a_1 \cdot a_2 \cdot \dots \cdot a_n, \\ & a_0 + x(a_1 + x(a_2 + x(\dots x(a_{n-1} + xa_n)\dots)), \\ & a_0 + a_1(y - x_0) + a_2(y - x_0)(y - x_1) + \dots + a_n(y - x_0)(y - x_1) \dots \\ & \dots (y - x_{n-1}), \end{aligned}$$

Card 1/2

# Realization of certain classes ...

S/271/63/000/001/034/047  
D413/D308

where the same operation or group of operations is repeated several times. The basic scheme of this class of formulas may be put in the form:

$$\begin{aligned} \text{if}(0, x, y, \dots, z, a', b', \dots, c') &= g(x, y, \dots, z, a', b', \dots, c'), \\ \text{iif}(n + 1, x, y, \dots, z, a', b', \dots, c') &= h(n, x, y, \dots, z, a', b', \dots, c'), \\ &f(n, x, y, \dots, z, a', b', \dots, c'), \end{aligned}$$

where  $x, y, z$  are arbitrary numbers,  $a', b', \dots, c'$  the addresses of the numbers, and the prime denotes the addresses which must change by unity at each new step of the iteration. A description is given of the block diagram of the computer, which consists of three registers ( $M_w$  the working memory,  $M_p$  the register of particular results,  $M$  the register of indices of variables), a control assembly  $C$ , an iteration counter  $J$ , an arithmetic unit and a register for the address of the final result. Rules are given in accordance with which the computer must work. 1 figure. 1 reference.

ASSOCIATION: Institute of mathematics, Polish Academy of Sciences  
[ Abstracter's note: Complete translation ]

Card 2/2

9.7140  
S/044/62/000/007/081/100  
C111/C333

AUTHOR: Pawlak, Z.

TITLE: The elimination of waiting time in serial address-less computers

PERIODICAL: Referativnyy zhurnal, Matematika, no. 7, 1962, 65-66, abstract 7V319. ("Bull. Acad. polon. sci. Sér. sci. techn.", 1961, 2, no. 10, 577-578)

TEXT: In connection with the design of a serial address-less computer with its memory on a magnetic drum (Rzh. Mat. 1962, 6V371), the question of the optimal choice of the length of an elementary formula is considered. The requirement must be met that the waiting time for the transmission of the elementary formula from the drum to the working memory consisting of a register be minimal. It is said that the minimal waiting time is obtained if the relation  $k = \sqrt{2n}$  is fulfilled, where  $k$  is the number of words which can be accommodated by the working memory, and  $n$  is the number of words on one band of the drum.

[Abstracter's note: Complete translation.]

Card 1/1

16600  
S/044/62/000/007/082/100  
C111/C333

AUTHOR: Pawlak, Z.

TITLE: The realization of the rule of substitution in the address-less computer without working memory

PERIODICAL: Referativnyy zhurnal, Matematika, no. 7, 1962, 66, abstract 7V320. ("Bull. Acad. polon. sci. Sér. sci. techn.", 1961, 9, no. 10, 579-580)

TEXT: The discussion of a previously described scheme for the realization of the rule of substitution (Rzh. Mat., 1962, 6V371) is continued. It is shown: With certain changes in the way the elementary formulas are written, a scheme without working memory can be realized for an address-less computer.

[Abstracter's note: Complete translation.]

Card 1/1

S/044/62/000/006/112/127  
B162/B102

9.7100

AUTHOR: Pawlak, Z.

TITLE: Operation of substitution in addressless digital computer

PERIODICAL: Referativnyy zhurnal. Matematika, no. 6, 1962, 69, abstract  
6V371 (Bull. acad. polon. sci. Ser. sci. techn., v. 9, no. 9  
1961, 531 - 534)

TEXT: The problem of calculating the function

$$z = F(x_1, \dots, x_{i-1}, x_i, x_{i+1}, \dots, x_n),$$

where  $x_i = G(y_1, \dots, y_k)$  is examined by means of a computer. The substitution operation can be expressed in symbolic notation which is convenient for use in an addressless digital computer. On the basis of the notation formula proposed, a computer can be designed. A short description of the arrangement of such a computer and a block diagram of it are given.  
[Abstracter's note: Complete translation]

Card 1/1

S/044/62/000/006/111/127  
B162/B102

16.6800

AUTHOR: Pawlak, Z.

TITLE: On the utility of arithmetical formalisms in digital computers

PERIODICAL: Referativnyy zhurnal. Matematika, no. 6, 1962, 69, abstract 6V370 (Bull. Acad. polon. sci. Sér. sci. techn., v. 9, no. 9, 1961, 527 - 529)

TEXT: Calculation of the value of a function from a given value of its arguments requires an indication of the order of the operations, the determination of the arguments, and the localization of partial results. In normal bracket notation this information is not expressed accurately enough. A version of bracketless notation is proposed which is simple enough for technical realization. In multiple calculation of the value of a function from different values of its arguments, the system must retain the symbols of the arguments whose magnitude varies. In particular, a formula can be registered on paper tape so that the magnitude of each argument is written in the square corresponding to this argument. If the

Card 1/2



PAWLAK, Z.

Organization of address-free computer with separate memory of partial results. Bul Ac Pol tech 9 no.2:123-127 '61.

1. Institute of Mathematics, Polish Academy of Sciences. Presented by P. Szulkin.

(Calculating machines)

S/194/62/000/002/003/096  
D230/D301

9.7100

AUTHOR: Pawlak, Z.

TITLE: Organization of an address-free computer with separate memory of partial results

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 2, 1962, abstract 2-1-11ch (Bull. Acad. polon. sci., Ser. sci. techn., 1961, 9, no. 2, 123-127) B

TEXT: The proposed idea of the digital computer design with a free address is distinguished in two respects: Location of the intermediate results into the cells of the memory circuit (whose addresses are calculated from those of operational arguments) and location of the intermediate results in "the nearest free place". The realization of the first method requires a special address calculating device. The second idea is suitable for realizing a digital computer with sequential memory, e.g. with the memory circuit on magnetic drum, the selection of the nearest free place being a lengthy one. The language of the machine is described: Designation of indepen-

Card 1/2

S/194/62/000/002/003 000  
D230/D301

AUTHOR: Pawlak, Z.

TITLE: Some remarks on a "-2" digital computer

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,  
no. 2, 1962, abstract 2-1-65yu (Bull. Acad. sci.,  
sci., Ser. sci. techn., 1961, 9, no. 4, 225-227)

TEXT: This presents the circuit of the internal arrangement of the digital computer "-2" designed at the Institute of Mathematics of the Polish Academy of Sciences; basically it consists of the memory register, series register, intermediate register, sumator, saturation register, sign registers, storage, input and output devices. The assignment and order of operation of every circuit element of the computer are explained. The computer operates with 36-classed codes, 12 classes used for address and 24 for information. 1 figure. 2 references. /-Abstracter's note: Complete translation.

Card 1/1

PAWLAK, Z.

Some remarks on a "—2" digital computer. Bul Ac Pol tech 9 no.4:  
225-227 '61. (EEAI 10:9/10)

1. Institute of Mathematics, Polish Academy of Sciences. Presented  
by P. Szulkin.

(Calculating machines)

PAWLAK, Z.

Organization of address-free computer B-100. Bul Ac Pol tech 9  
no.4:229-234 '61. (EEAI 10:9/10)

1. Institute of Mathematics, Polish Academy of Sciences. Presented  
by P. Szulkin.

(Calculating machines)

PAWLAK, Z.

On the application of the rule of substitution in the organization of an address-free computer. Bul Ac Pol Tech 8 no.11/12:681-684 '60.

1. Institute of Mathematics, Polish Academy of Sciences. Presented by P.Szulkin.

PAWLAK, Z.

On realization of recursive schemes in the address-free computer.  
Bul Ac Pol Tech 3 no.11/12:685-687 '60.

1. Institute of Mathematics, Polish Academy of Sciences. Presented  
by P.Szumkin.

PAWLAK, Z.

SURNAME (in caps); Given Names

Country: Poland

Academic Degrees: Not stated

Affiliation: Mathematical Institute, Polish Academy of Sciences  
(Instytut Matematyczny, PAN)

Source: Warsaw, Bulletin de l'Académie Polonaise des Sciences,  
Série des Sciences Techniques, Vol 9, No 2, Feb 61,  
pp 123-127.

Data: "The Organization of an Address-free Computer  
with Separate Memory of Partial Results."



PAWLAK, Zofia; SEIDERSKI, Jan

Isotope exchange of acid radicals in pentaacetyl- $\beta$ -D-fructopyranose. Roczniki chemii 34 no.3/4:1195-1196 '60. (EEAI 10:3)

1. Katedra Chemii Organicznej Uniwersytetu, Warszawa  
(Isotopes) (Fructopyranose pentaacetate)

PAWLAK, Z.

Organization of the address-free digital computer for calculating  
simple arithmetical expressions. Bul Ac Pol tech 8 no.4:193-195  
'60. (EEAI 9:10)

1. Institute of Mathematics, Polish Academy of Sciences. Presented  
by P.Szulkin.  
(Electronic digital computers)

PAWLAK, Z.

New method of paranthesis-free notations of formulas. Bul Ac Pol  
tech 8 no.4:197-198 '60. (EEAI 9:10)

1. Institute of Mathematics, Polish Academy of Sciences. Presented  
by P.Szulkin.  
(Electronic digital computers)

PAWLAK, Z.

The organization of a digital computer based on the "M-2" system.  
Bul Ac Pol tech 8 no.5:253-258 '60. (EEAI 9:10)

1. Institute of Mathematics, Polish Academy of Sciences and Department of Tele- and Radiophonic -construction, Warsaw Technical University. Presented by P.Szulkin.  
(Electronic digital computers)

PAWLAK, Z.

An electronic digital computer based on the "-2" system. Bul Ac  
Pol tech 7 no.12:713-721 '59. (ZRAI 9:6)

1. Department of Tele- and Radiophonic Constructions, Warsaw  
Technical University. Presented by P.Szulkin.  
(Poland - Electronic digital computers)

PAWLAK, Z.

The organization of digital computers and computable functions.  
Bul Ac Pol tech 8 no.1:41-51 '60. (EBAI 9:7)

1. Institute of Mathematics, Polish Academy of Sciences. Department  
of Tele- and Radiophonic Constructions, Warsaw Technical University.  
Presented by P.Szulkin..  
(Electronic digital computers) (Functions)

PAWLAK, Zofia; SWIDERSKI, Jan

Investigations on acylmonoses. III. Isotope exchange of acid radicals in pentaacetylfructopyranoses. Rocz chemii 35 no.4:895-898 '61.

1. Department of Organic Chemistry, University, Warsaw.

S/044/62/000/004/096/099  
C111/C222

AUTHOR: Pawlak, Z.

TITLE: Organization of the address-free computer B-100

PERIODICAL: Referativnyy zhurnal, Matematika, no. 4, 1962, 52-53,  
abstract 4V354. ("Bull. Acad. polon. sci. Sér. sci. techn.",  
1961, 9, No. 4, 229-234)

TEXT: The small computer B-100 which is intended for engineer calculations is described. The operating principle of the computer was worked out at the Institute for Mathematics of the Polish Academy of Sciences; a simplified version was built by the Warsaw Technical University. The machine works in the decimal system. A storage unit on a magnetic drum is used. The logical chains are built with vacuum tubes. A standard teletype is used as the outlet. The data are fed into the computer on a punched tape at the rate of 30 symbols a second. An arithmetic operation takes place during one revolution of the drum, i.e., in  $\frac{1}{30}$  second. A mathematical formula once fed into the machine can be used several times for various values of the independent variables and

Card 1/2



ADAMANIS, F.; PAWLACZYK, J.

Chromatographic determination of active substances in Grangula Bark.  
Bull.Soc.amis Sc.Poznan, Ser.C No.9:35-39 1959.  
(FRANGULA chem.)

PAWLOCIK, J.; *PLANTA*, 1.

Chromatographic evaluation of extracts from the bark of alder buckthorn.  
p. 269.

CHEMIA ANALITYCZNA. (Komisja Analityczna Polskiej Akademii Nauk i Naczelna  
Organizacja Techniczna) Warszawa. Poland. Vol. 4, No. 1, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 6, No. 6, August 1959  
Uncla.

UKLEJA, Zygmunt; PAWLAK-LIPOWSKA, Krystyna

Histological changes following sudden closure of the labyrinthine venous vessel. Otolaryng. Pol. 17 no.3:247-253 '63.

1. Z II Kliniki Laryngologii SDL; kierownik: prof.dr.med. J.Malecki.

\*

ca

118

Action of dyes, derivatives of acridine, on male sex cells and their production.  
L. FARKAS AND S. SKOWRON. *Bull intern acad polonaise* 1930, II, 433-7 (in French).  
Gonacrine injected intravenously into men exerts a toxic action on the spermatozoa.  
In cases of only feeble injections (7-10 cc. of a 2% soln. in 8-10 injections) 70-85% of  
the spermatozoa were dead. Strong injections (34-45 cc. of a 2% soln. in 12-18 days  
caused death of all spermatozoa, which became yellow and partly agglutinated. Two  
months after the last injection, in one case even after 7 months, the sperm remained  
yellowish, but no spermatozoa were found in it. Corresponding expts. on rabbits  
showed that the toxic action of gonacrine is here much weaker than in men. It is prob-  
able that previous cases of fever in men (vaccination, malaria) render the organism more  
sensitive toward the action of the dye. J. WIERTELAK

Action of gonorrhea upon the organism. H. Shaw and I. Pawla. *Stoll intern. med. publie* 1931B, 11, 485-74 (in French); cf. C. A. 26, 3304. The toxic action of the dye upon spermatozoon becomes intense as the concn. of gonorrhea in human sperm

attains the value 10-8. When no new portions of the dye are introduced, its concentration in the sperm diminishes rapidly and simultaneously new living spermatozoa appear. The dye is excreted alike with the feces, the urine and the sweat. The plasma of herbivorous animals has the power to "neutralize" the dye to a higher extent than that of carnivorous animals and of man.

J. Wiertelak

1. Wiersthal

ASB SLO METALLURGICAL LITERATURE CLASSIFICATION



WIERZCHOWSKI, Jozef; PAWLAKOWA, Zofia

Evaluation of usefulness of certain seasonings. Pt.1. Roczn  
panstw zakl nig 14 no.1-29-83 '63.

1. Department of Articles of Common Consumption, School of  
Medicine, Gdansk, and Division of Hygiene of Feeding and Food,  
School of Statistics and Economics, Gdansk.

PAWLAS, Wiktor (Piekary Slaskie, ul. Zymierskiego 62)

Clinical evaluation of traumatic shock. Polski tygod. lek. 9 no.35:  
1099-1100 30 Aug 54.

1. Z Instytutu Chirurgii Urazowej w Piekarach Sl.; kierownik  
naukowy: dr Wl. Sowinski.

(SHOCK,  
traum.)



PAWLAS, Wiktor (Piekary Slaskie, ul. Stalinogrodzka 62)

Pain of the extremities in spinal fractures. Polski tygod. lek. 9  
no.45:1452-1453 8 Nov 54.

1. Z Instytutu Chirurgii Urazowej w Piekarach Sl., Kierownik  
naukowy: dr Wl.Sowinski.

(SPINE, fractures,  
with pain of extremities)

(FRACTURES,  
spine, with pain of extremities)

(EXTREMITIES, diseases,  
pain in spinal fract.)

(PAIN,  
extremities, in spinal fract.)

PAWLAS, Wiktor.

Results of the treatment of open fractures of the forearm.  
Polski przegl.chir.27 no.10:977-983 Oct. '55.

1. Z Wojew, Instytutu Chirurgii Urazowej w Piekarach Sl.  
Kierownik naukowy: dr Wl.Sowinski. Piekary Sl. Wojew,  
Instytut Chirurgii Urazowej.

(FRACTURES,  
forearm, ther.)  
(FOREARM, fractures,  
ther.)

PAWLAS, Wiktor

Management of crushed limbs. Polski przegl. chir. 28 no.12:  
1261-1264 Dec 56.

1. Z Wojewodzkiego Instytutu Chirurgii Urazowej w Piekarach  
Sl. Kierownik: dr. med. Wl. Sowinski. Adres autora: Piekary  
Slaskie. Instytut Chirrugii Urazowej.

(EXTREMITIES, wds. & inj.  
crushed limbs, management (Pol))

POLAND/Chemical Technology. Pharmaceuticals.  
Vitamins. Antibiotics.

H

Abs Jour: Ref Zhur-Khim., No 24, 1958, 82713.

Author : Jasinski T., Pawlczak J.

Inst :

Title : The Titration of Antipyrine in Non-Aqueous Media  
in the Presence of Colored Indicators.

Orig Pub: Acta polon. pharm., 1957, 14, No 2, 91-93.

Abstract: No abstract.

Card : 1/1

POLAND/General Problems of Pathology - Tumors. Comparative  
Oncology - Human Neoplasms.

Abstr Jour : Ref Zhur - Biol., No 10, 1958, 89700

Author : Borszewski, J., Pawlec, M.

List : -

Title : Radical Operations in Carcinoma of the Duodenum and  
Pancreas.

Orig. Pub. : Polski prze gl. chiru , 1957 29, No 4, 369-375.

Abstract : No abstract.

Card 1/1

- 31 -

PARLONAC, S.

Main trends in the field of automatic gas analyzers and mass spectrometers in the USSR. Tr. Inst. Khim. Anal., p. 13.

POPLIARY, AUTOMATYKA, z Wiedza. (Kaczelna Organizacja Techniczna)  
Warszawa, Poland. Vol. 5, no. 1, January 1957.

Monthly list of East European Accession (EEAI) LC, Vol. 8, no. 7, July 1959

Uncl.

RETOVSKY, B.; PAWLER, T.; POLASKOVA, K.; ZELINKOVA, M.

Original substances for biosynthesis of rubber in koksaghyz.  
Chekh.biol. 2 no.4:215-219 Ag '53. (MLRA 7:4)

1. Institut biologii ChSAN, fiziologiya rasteniy, Praga.  
(Kok-Saghyz)

RETOVSKY, R.; PAWLER, T.

Catalase activity of the organs of buckwheat (*Fagopyrum esculentum* Monch) during the developmental stage [with summary in German].  
Chekh. biol. 1 no.1:13-20 '52. (MLRA 6:12)

1. Tsentral'nyy institut biologii, fiziologiya rasteniy, Praha.  
(Buckwheat)



PAWLITA, Stefania; ROMANOWSKI Ryszard

Toxic properties of certain lacquers. Roczn panst. zek  
Fig 14 no.3:245-248 1963.

1. Wojewodship Sanitary and Epidemiological Station,  
Opole.

Pawlety, R. ; Dankiewicz, J. ; Skoluda, E.

Neutralization of excess free acid in granulated superphosphate by the use of ammonia. p. 101.

PRZEMYSŁ CHEMICZNY. (Ministerstwo Przemysłu Chemicznego i Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Przemysłu Chemicznego) Warszawa, Poland. Vol. 38, no. 2, February, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 8, August, 1959.

Uncl.

DAKIEWICZ, Jerzy; PAWLETY, Romuald

An attempt to economically evaluate the application of triple superphosphate in Poland. Przem chem 41 no.5:231-233. My '62.

1. Pozmanskie Zakłady Nawozow Fosforowych, Poznan.

PAWLETY, R.

3870

862732:881.183.2

Kuczyński W., Durka M., Kłakiewicz Z., Pawłety R. Concerning the Activity of Semi-Coke from Indigenous Brown Coal.

"O aktywności półkoksu z krajowych węgli brunatnych". Przemysł Chemiczny. No. 12, 1954, pp. 608-609, 1 fig., 3 tabs.

CH  
The results of investigating the activity of semi-coke laboratory prepared from certain indigenous brown coals. The determination of activity was based on the measurement of the heat effect of reaction between semi-coke and hydrogen peroxide. The addition of ferric hydroxide to the coal notably increases the activity of semi-coke. The authors are of the opinion that the activity of semi-coke is closely connected with the structure of the coal from which the coke is prepared. The sharpest diminution in activity is shown by semi-coke obtained from the most carbonized raw materials. The connection of semi-coke activity with its porosity and with the content of volatile substances in coal was not established.

③

PAWLEWSKI, Slawomir; SOBCZYNSKA-CZECZOWSKA, Zofia

Early result of myleran therapy of chronic myeloid leukemias. Polski  
tygod. lek. 12 no.43:1650-1654 28 Oct 57.

1. Z Kliniki Hematologicznej Instytutu Hematologii; Kierownik Kliniki:  
prof. dr med. W. Iawkowicz; dyrektor Instytutu: doc. dr med. A. Trojanowski.  
Adres: Warszawa, Chocimska 5; Inst. Hematologii.

(BUSULFAN, therapeutic use,  
leukemia, myelocytic (Pol))  
(LEUKEMIA, MYELOCYTIC, therapy,  
bulsulfan (Pol))

ACC NR: AP6034470

(A,N)

SOURCE CODE: PO/0082/66/000/010/0032/0042

AUTHOR: Pawlik, Edward (Master engineer, Lt. commander)

ORG: none

TITLE: Trends in the development of rocket propellant agents

SOURCE: Przegląd morski, no. 10, 1966, 32-42

TOPIC TAGS: rocket fuel, rocket propellant, liquid rocket fuel, solid rocket fuel, rocket propellant oxidizer

ABSTRACT: The author discusses some of the recent background in the development of rocket fuels and propellants, tracing the more important historical stages in the quest for more reliable and effective solid and liquid, chemical and nonchemical combustion agents. A cursory explanation of the combustion mechanism of solid and liquid rocket fuels is given and both types are analyzed with a view to their respective advantages and disadvantages. The principle of operation of a typical solid-fuel rocket engine is described on the basis of a simplified block diagram. The concept of the degressive, natural, and progressing combustion characteristic is explained and modern experimentation with NO<sub>2</sub> resin and pyrotechnical propellants is discussed. Basic mathematical formulas for the more important rocket fuel energy factors (thrust, ejection velocity, rate of combustion, etc.) are outlined, with special attention to such gases as H<sub>2</sub>, H<sub>2</sub>O, CO, N<sub>2</sub>, SO<sub>2</sub>, and CO<sub>2</sub>. A second diagram

Card 1/2

ACC NR: AP6034470

illustrates the operational principle of a liquid-fuel rocket engine, and a table is given containing fifteen oxidizing agents which either have been or are presently in use in liquid-fuel rockets. Certain of the characteristics of nitric acid and hydrogen peroxide oxidizers are briefly discussed. Orig. art. has: 3 figures.

SUB CODE: 21/ SUBM DATE: none/ ORIG REF: 006/ SOV REF: 001/ OTH REF: 001

Card 2/2

S/081/62/000/020/002/040  
B166/B186

AUTHORS: Pawliok, Grzegorz, Sobaszek, Andrzej

TITLE: Study of diffusion in metals with the aid of tagged atoms

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 20, 1962, 32, abstract  
20B208 (Pierwsze krajowe sympoz. zastosowań izotopów techn.,  
Rogów, 8-12 czer., 1960. Warszawa, no. 11, 1961 [Pol.;  
summaries in Rus. and Eng.] )

TEXT: With the aid of  $\text{Ag}^{110}$  and  $\text{Fe}^{59}$  the Kryukov and Zhukhovitskiy method  
(RZhKhim., no. 7, 1955, 11351) was utilized to determine the coefficient  
of volume self-diffusion of Ag  $(0.390 \pm 0.009) \exp [-(44000 + 2500)/RT] \text{ cm}^2/\text{sec}$   
and the coefficient of heterodiffusion of Fe in Ni

$(3.90 \pm 0.13) \times 10^{-4} \exp [-(43200 \pm 900)/RT] \text{ cm}^2/\text{sec}.$

[Abstracter's note: Complete translation.]

Card 1/1



PAWLICKA, J.

From the history of cloth manufacture in Wielkopolska in the 16th-17th centuries.  
p. 306.

PZEGŁAD WŁOKIENNICZY. (Stowarzyszenie Inżynierów i Techników Przemysłu  
Słokienniczego) Łódź, Poland. Vol. 12, no. 5/6, May/June 1958.

Monthly List of East European Accessions (KEAI) IC. Vol. 8, no. 7, July 1959.

Uncl.

PAWLICKA, Lidia

A case of esophageal varices. Polski przegl. radiol. 22 no.3:153-156  
May-June 58.

1. Z Zakładu Radiologii Instytutu Gruźlicy w Warszawie Kierownik: doc.  
dr K. Ossowska. Dyrektor: prof. dr J. Misiewicz.

(ESOPHAGUS, varix  
subdiaphragmatic, case report (Pol))

PAWLICKA, Lilia

Solitary cysts of the lungs. Polski przegl. radiol. 24 no.4:225-238  
'60.

1. Z Zakladu Radiologii Instytutu Gruźlicy w Warszawie Kierownik:  
prof. dr med. K. Ossowska Dyrektor: prof. dr med. Wiwa Jaroszewicz  
(LUNG NEOPLASMS diag)

PAWLICKA, Lilia (Warszawa, Plcka 26)

Radiological observations on the dynamics and fate of patients with  
pmonary tuberculosis. Polski przegl. radiol. 22 no.1:13-26 Jan '58

1. Z Zakładu Radiologii Instytutu Gruzlicy w Warszawie. Kierownik:  
doc. dr K. Ossowska. Dyrektor: prof. dr J. Misiewicz.

(TUBERCULOSIS, PULMONARY, surg.

follow-up, progn. based on postop. x-rays (Pol))

OSSOWSKA, Krystyna; GHWALIBOG, Barbara; PAWLICKA, Lidia; PIOTROWSKI, Andrzej;  
SITKOWSKI, Wacław

Tuberculous bronchitis and peribronchitis. Gruzlica, 26 no.4:303-307  
Apr '58.

1. Z Instytutu Gruźlicy w Warszawie. Dyrektor: prof. dr J. Misiewicz.  
Adres: Warszawa, ul. Płocaka 26.

(TUBERCULOSIS, PULMONARY, compl.  
bronchitis & peribronchitis with lymph node tuberc. (Pol))  
(TUBERCULOSIS, LYMPH NODE, compl.  
tuberc. bronchitis & peribronchitis (Pol))

PAWLICKA, Lilia; CHODKOWSKA, Stefania

Pulmonary chondromas. Polski przegl. radiol. 25 no.2:153-163 '61.

1. Z Zakladu Radiologii Kierownik: prof. dr med. K. Ossowska i z Zakladu  
Patologii Instytutu Gruzlicy Kierownik: prof. dr med. S. Chodkowska.

(LUNG NEOPLASMS radiog) (CHONDROMA radiog)

KLOTT, Maria; PAWLICKA, Lilia

A case of broncho-esophageal fistula in a woman with pulmonary tuberculosis. Gruzlica 30 no.11:1045-1050 '62.

1. Z Instytutu Gruzlicy. Z oddziału I. Kierownik: doc. dr med. P. Krakowka  
i s Pracowni Radiologicznej. Kierownik: prof. dr med. K. Ossowska,  
Dyrektor Instytutu Gruzlicy: prof. dr med. W. Jaroszewicz.  
(ESOPHAGEAL FISTULA) (BRONCHIAL FISTULA) (TUBERCULOSIS PULMONARY)

PAWLICKA, Lilia

Isolated intrathoracic form of malignant granuloma. Polski przegl.  
radiol. 25 no.3:427-431 My-Je '61.

1. Z Zakladu Radiologii Instytutu Gruzlicy w Warszawie Kierownik:  
prof. dr med. K. Ossowska.

(MEDIASTINUM neopl)  
(HODGKIN'S DISEASE case reports)



CHODKOWSKA, Stefania; PAWLICKA, Lilia

Pulmonary cancer with the sarcoid reaction of lymph nodes.  
Gruzlica 32 no.10:929-932 0 '64

1. Z Zakladu Patologii (Kierownik: prof. dr. med. S. Chodkowska)  
i z Zakladu Radiologii (Kierownik: prof. dr. med. K. Osowski)  
Instytutu Gruzlicy, Warszawa.



PAWLICKA, Lilia

Bronchial and tracheal dilatation. *Przegląd Lekarski* 32 nr. 1194-1947  
Ja '64.

1. Z Zakładu Radiologii Instytutu Chirurgii (Kierownik: prof. dr.  
med. K. Ossowska).

CHODKOWSKA, Stefania; KRAKOWKA, Pawel; KOZAKOW, Helena; PAWLICKA,  
Lilia; HALWEG, Halina; NOWICKI, Jan

A case of pulmonary aspergilloma with a sarcoid reaction of  
lymph nodes. Gruzlica 31 no.1:67-73 '63.

1. Z Instytutu Gruzlicy Oddzial I i Pracownia Mikologiczna  
Kierownik: doc. dr med. P. Krakowka Zaklad Patologii Kierownik:  
prof. dr med. S. Chodkowska Zaklad Radiologii Kierownik: prof.  
dr med. K. Ossowska Oddzial Chirurgiczny Kierownik: prof. dr  
med. L. Manteuffel Dyrektor: prof. dr med. W. Jaroszewicz.  
(LUNG DISEASES, PARASITIC) (ASPERGILLOSIS)  
(PNEUMONECTOMY) (THORACIC RADIOGRAPHY)  
(DIAGNOSIS, DIFFERENTIAL) (TUBERCULOSIS, PULMONARY)  
(LYMPH NODES) (SARCOIDOSIS)

CHODKOWSKA, Stefania; SITKOWSKI, Wacław; PAWLICKA, Lilia

Bronchial cancer and aspergilloma in bronchiectasis. Gruzlica  
31 no.12:1243-1246 D'63.

1. Z Zakładu Patologii (kierownik: prof.dr med. S.Chodkowska)  
i z Kliniki Chirurgii (kierownik: prof.dr med. L.Manteuffel)  
oraz z Zakładu Radiologii (kierownik: prof.dr med. K.Ossowska)  
Instytutu Gruzlicy.

\*

PAWLICKA, Lilia

Mediastinal tumors and their differentiation from lymph node tuberculosis. Gruzlica 31 no.6:601-606 Je'63.

1. Instytut Gruzlicy, Warszawa

\*

CHODKOWSKA, Stefania; KRAKOWKA, Pawel; TRACZYK, Kazimierz; KUBIT, Stanislaw;  
SERAFIN, Roman; PAWLICKA, Lilia

Proteinosis pecherzykow plucnych (pulmonary alveolar proteinosis).  
Gruzlica 29 no.10:895-901 0 '61.

1. Z Instytutu Gruzlicy Dyrektor: prof. dr W.Jaroszewicz i z  
Centralnej Wojewodzkiej Przychodni Przeciwgruzliczej w Rzeszowie  
Dyrektor: dr T. Lewicki.  
(LUNG DISEASES case reports)

SZULKIN, Emma; PAWLICKA, Lila

Bullous emphysema during the course of staphylococcal pneumonia  
in an adult. Pol. tyg. lek. 18 no.6:221-224 4 F '63.

1. Z Oddzialu Chorob Wewnetrznych Instytutu Gruzlicy; kierownik:  
prof. dr med. B. Jochwede i z Oddzialu Radiologii Instytutu  
Gruzlicy; kierownik: prof. dr med. K. Ossowska.  
(STAPH INFECTIONS, RESPIRATORY) (PNEUMONIA)  
(EMPHYSEMA) (BLOOD TRANSFUSION)  
(ANTIBIOTICS)



CHODKOWSKA, Stefania; PAWLICKA, Lilia; KOZAKOW, Helena

A case of diffuse interstitial pulmonary fibrosis. Pol. przegl.  
radiol. 27 no.4:295-301 '63.

1. Z Zakladu Patologii Kierownik: prof. dr med. S. Chodkowska  
Z Zakladu Radiologii Kierownik: prof. dr med. K. Ossowska  
Z Oddzialu Gruzlicy Pluc Kierownik: doc. dr med. P. Krakowka  
Instytutu Gruzlicy Dyrektor: prof. dr med. W. Jaroszewicz.  
(PULMONARY FIBROSIS) (PATHOLOGY)  
(THORACIC RADIOGRAPHY)

KRAKOWKA, Pawel; CHODKOWSKA, Stefania; KOZAKOW, Helena; PAWLICKA, Lilia

Experimental pleural aspergillosis in rabbits. Gruzlica 31  
no.3:193-199 '63.

1. Z Instytutu Gruzlicy Pracownia Mykologiczna Kierownik:  
doc. dr med. P. Krakowka Zaklad Patologii Kierownik: prof.  
dr med. S. Chodkowska Zaklad Radiologii Kierownik: prof. dr  
med. K. Ossowska Dyrektor Instytutu Gruzlicy prof. dr med.  
W. Jaroszewicz.  
(PLEURA) (ASPERGILLOSIS) (PNEUMOTHORAX, ARTIFICIAL)

KRAKOWKA, Pawel; CHODKOWSKA, Stefania; HALWEG, Halina; PAWLICKA, Lilia

Prognosis and therapy of cases of pulmonary aspergilloma in the light of our experience. Gruzlica 31 no.11:1113-1121 N '63.

1. Z Instytutu Gruzlicy.

\*

CHODKOWSKA, Stefania; PAWLICKA, Lilia

Pulmonary chemodectoma. Nowotwory 11 no.3/4:421-424 '61.

1. Z Oddziału Patologii i z Zakładu Radiologii Instytutu Gruźlicy.  
Dyrektor: prof. dr med. W. Jaroszewicz Kierownik Oddziału Patologii:  
prof. dr med. S. Chodkowska Kierownik Zakładu Radiologii: prof. dr  
med. K. Ossowska.  
(LUNG NEOPLASMS case reports) (CAROTID BODY TUMOR case reports)

PAWLICKA, Lilia; CHODKOWSKA, Stefania

Chondroma of the rib. Pol. przegl. radiol. 26 no.1:27-33 '62.

1. Z Zakładu Radiologii Instytutu Gruzlicy Kierownik: prof. dr med.  
K. Ossowska i z Zakładu Patologii Instytutu Gruzlicy Kierownik: prof.  
dr med. S. Chodkowska Dyrektor Instytutu Gruzlicy w Warszawie: prof.  
dr med. W. Jaroszewicz.

(RIBS neopl) (CHONDROMA radiog)

PAWLICKA, Lidia; CHODKOWSKA, Stefania

Pleural mesothelioma. Polski przegl. radiol. 25 no.6:571-581 '61.

1. Z Zakładu Radiologii Kierownik: prof. dr med. K. Ossowska i z Zakładu  
Anatomii Patologicznej Kierownik: prof. dr med. S. Chodkowska Instytut  
Źródło: Gruslicy w Warszawie Dyrektor: prof. dr med. W. Jaroszewicz.

(MESOTHELIOMA case reports) (PLEURA neopl)

PAWLICKA, Lilia

Acquired esophageal fistulae. Pol. tyg. lek. 19 no.49:1898-1900 7 D '64

1. Z Zakladu Radiologii Instytutu Gruzlicy; (kierownik: prof. dr. med. Krystyna Ossowska) i z Zakladu Patologii Instytutu Gruzlicy (kierownik: prof. dr. med. Stefania Chodkowska)

CHODKOWSKA, Stefania; PAWLICKA, Lilia

Neurinomas of the lung. Nowotwory 12 no.1:47-54 Ja-Mr '62.

1. Z Oddziału Patologii i Zakładu Radiologii Instytutu Gruzlicy w  
Warszawie Dyrektor: prof. dr med. W. Jaroszewicz Kierownik Oddziału  
Patologii: prof. dr med. S. Chodkowska Kierownik Zakładu Radiologii:  
prof. dr med. K. Ossowska.

(NEURILEMMOMA case reports)  
(LUNG NEOPLASMS case reports)



CHODKOWSKA, Stefania; PAWLICKA, Lilia

Paratypical and metaplastic bronchial epithelium. Nowotwory 11  
no.3/4:313-320 '61.

1. Z Oddzialu Patologii i Zakladu Radiologii Instytutu Gruzlidy  
Dyrektor: prof. dr med. W. Jaroszewicz Kierownik Oddzialu Patologii:  
prof. dr med. S. Chodkowska Kierownik Zakladu Radiologii; prof.  
dr med. K. Ossowska.

(BRONCHI pathol)

BEDNARSKI, Andrzej; KRAJCI, Henryk, PAWLOKA, Lilla

Accessory bronchus arising from the trachea with bronchiectasis of the right lung. Gruzica 32 no. 423 -329

1. Z Kliniki Chirurgicznej (Kierownik: prof. dr. med. L. Manteuffel)  
2. Z Zakładu Radiologii (Kierownik: prof. dr. med. F. Gsowaka)  
Instytut Gruzicy.

L 20576-66 EWP(t) IJP(a) JD  
ACC NR: AP6012008

SOURCE CODE: PO/0046/65/010/09-/0541/0551

AUTHOR: Jagielak, Jan--Yagelyak, Ya.; Pawlicki, Grzegorz--Pavlitski, G.; Sobaszek, Andrzej--Sobashek, A. 25

ORG: Department of Radiology, Warsaw Polytechnic Institute, Warsaw (Katedra Radiologii Politechniki Warszawskiej) 21

TITLE: Investigations on self-diffusion of indium by absorption method, making use of the internal conversion electrons of sup  $^{114}\text{In}$

SOURCE: Nukleonika, v. 10, no. 9-10, 1965, 541-551

TOPIC TAGS: indium, electron

ABSTRACT: Results of investigations on the self-diffusion of indium are presented. These investigations were carried out by making use of internal conversion electrons of  $^{114}\text{In}$ . At the absorbent thickness 1.6 to 11 mg/cm<sup>2</sup> Al, the absorption coefficient  $\mu = 779 \text{ cm}^{-1}\text{Al}$  was obtained, with a relative average square error  $\Delta\mu/\mu = 6.5\%$ . Formulae are given for determining diffusion coefficient in the case when the function of the radiation absorption in material is a straight line. The formulas were compared with those of Steigman, Shockley, and Nix deduced for exponential form of absorption function. The measurements were made by applying the methods of Steigman, Shockley, and Nix on polycrystalline samples 99.9999% pure In at 130 to 149°C and a

Card 1/2

L 20576-66

ACC NR: AP6012008

value of  $8.0 \exp(-21.2 \pm 0.6/RT)$   $\text{cm}^2/\text{sec}$  was obtained for the self-diffusion coefficient. Orig. art. has: 6 figures, 4 formulas, and 2 tables. NA

SUB CODE: 18 / SUBM DATE: 25 Nov 64 / ORIG REF: 003 / OTH REF: 003  
SOV REF: 003

Card 2/2

BK

PAWLICKI, Marek; ANKOWSKI, Andrzej

Evaluation of ...  
no.2:93-96 ...

1. I. Instytutu ...  
H. Kolodziejka.

PAWLICKI, Marek

Cancer of the oral cavity. Wlad. lek. 18 no.10:839-840  
15 My '65.

OSSOWSKA, Krystyna; JEZ IERSKI, Kazimierz; PAWLICKA, Stefania;  
GRUNDMAN, Jerzy

Results of the treatment of cardial achalasia with Heller's  
operation. Pol. przegl. chir. 35 no.10/11:1166-1167 '63.

1. Z Oddziału Chirurgicznego Instytutu Gruzlicy Kierownik:  
prof. dr L. Manteuffel i z Zakładu Radiologii Instytutu Gruzlicy  
Kierownik: prof. dr K. Ossowska.  
(CARDIOSPASM) (SURGERY, OPERATIVE)

POLAND/Food Processing Industry.

H.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 65906  
Author : Pawlica Wladyslaw  
Inst : -  
Title : Bacteriological Inspection in Cheese Making.  
Orig Pub : Przegl. mlecarski, 1958, 6, No 4, 15-16.  
Abstract : No abstract.

Card 1/1



PAWLICKI, Bogumil (Warszawa)

Experiment in applying linear programming to optimize construction methods in apartment building. Przegl budowl i bud mieszk 36 no.3: 123-126 Mr '64.

PAWLICKI, Bogumil, mgr (Warszawa)

What is linear programming and what is it good for? Przegl  
budowl i bud mieszk 35 no.5:236-237 My '63.

KOŁODZIEJSKA, Hanna; PAWLICKI, Marek

Pharyngeal neoplasms in patients in the Cracow Institut<sup>u</sup> of Oncology.  
Nowotwory 12 no.3:219-226 '62.

1. Z Instytutu Onkologii Oddział w Krakowie Dyrektor: doc. dr med.  
H. Kolodziejska.

(PHARYNGEAL NEOPLASMS)

L1006

S/058/62/000/009/032/069

A006/A101

AUTHORS: Pawlicki, Grzegorz, Sobaszek, Andrzej

TITLE: Investigating diffusion in metals with the aid of tagged atoms

PERIODICAL: Referativnyy zhurnal, Fizika, no. 9, 1962, 54, abstract 9E379  
 ("Pierwsze krajowe sympoz. zastosowań izotopów techn., Rogów,  
 8 - 12 czer., 1960", Warszawa, 1961, no. 11, Polish; summaries in  
 Russian and English)

TEXT: Ag<sup>110</sup> and Fe<sup>59</sup> isotopes were electrolytically applied onto polycrys-  
 talline Ag and Ni specimens. The specimens were then annealed. The Kryukov and  
 Zhukhovitskiy method and measurements of radioactivity were used to determine  
 the coefficient of volumetric self-diffusion of Ag:  $D = (0.390 \pm 0.009) \exp$   
 $(-44,000 \pm 2,500/RT)$  and the coefficient of heterodiffusion of Fe in Ni:  $D =$   
 $(3.90 \pm 0.13) \cdot 10^{-4} \exp (-43,200 \pm 900/RT) \text{ cm}^2 \cdot \text{sec}^{-1}$ .

[Abstracter's note: Complete translation]

Card 1/1

PAWLICKI, K.

"Who Could Imagine That The Tooth, Which Is So Small, Is So Important. p. 16.  
p. The Word 'Hygiene' Is No Longer Unknown To Carpathian Peasants. p. 17".  
(ZDROWIE) Vol. 5, No. 1, 1953, Warszawa, Poland.

SO: Monthly List of East European Accessions L.C., Vol. 2, No. 11, Nov. 1953, Uncl.

*Fuel Abstracts*

*Steam raising? Steam  
Engines 11 1952*

4688. "YTONG" LIGHTWEIGHT CONCRETE FROM FLY ASH. Pawlik, K. (Mitt. Ver. Grosskesselbesitz., 1952, (20), 215-217). THIS STEAM hardened lightweight concrete (of Swedish origin) is manufactured in Germany, using fly ash from a power station and blast furnace slag. The author describes the layout of the factory, the method of manufacture, and the properties of the different quality concretes produced.

(L) B. E. A.

PAWLICKI, K.

3451

621.631.3.057 : 621.88.87

Pawliski K. Side Deflection of Ropes on Sheaves and Drums.

Stron 218 odchylenie liny na krawkach i bębnoch". Przegląd Mechaniczny. No. 3, 1951, pp. 143-147, No. 3, 1954, pp. 180-184, 12 figs, 9 tabs.

POL. I

Review of the effect, in cranes, of the outlines of the rope sheave and drum groove upon the side deflection of the rope. Equations evolved by the author for the rope axis deflected sideways from the surface of the sheave, and from the tangent to the axis of the groove on the rope sheave, make it possible to determine the critical angle of side deflection of the rope which depends on the inside angle of obtuseness of the rim and the coefficient of the outline of the groove. Explanations provided by the author describe how to standardise the outline of grooves on rope sheaves and drums. The inside angle of obtuseness of the rims in rope sheaves has been fixed at  $22^{\circ}30'$ , and the coefficient of outline at 4. for rope drums at  $30^{\circ}$  and  $26^{\circ}$ , respectively. The fact that it is possible to determine the critical angle and side deflection of the rope for standardised outlines provides the means for determining the correct height of sheave rims and depths of drum grooves.

AC

238

PAWLICKA, Lilla

Tumors of the phrenicocardial angle. Pol. przegl. radiol. 27  
no.4:303-319 '63.

1. Z Zakladu Radiologii Instytutu Gruzlicy w Warszawie  
Kierownik: prof. dr med. K. Ossowska Dyrektor: prof. dr med.  
W. Jaroszewicz.

(THORACIC NEOPLASMS)  
(THORACIC RADIOGRAPHY)



ARASZKIEWICZ, Zuzanna; PAWLICKA, Lilia; SZYMANSKA, Danuta;  
DYDYK, Ludomira

A case of hypertrophic tuberculosis of the cecum. Gruzlica 31  
no.7:823-826 '63.

1. Z Oddziału Wewnętrznego Instytutu Gruzlicy Kierownik: prof.  
dr med. B. Jochweds Z Pracowni Radiologicznej Instytutu  
Gruzlicy Kierownik: prof. dr med. K. Ossowska Z Pracowni  
Anatomo-patologicznej Instytutu Gruzlicy Kierownik: prof. dr  
med. S. Chodkowska Z Oddziału Chirurgicznego Instytutu  
Gruzlicy Kierownik: prof. dr med. L. Manteuffel Dyrektor:  
prof. dr med. W. Jaroszewicz.  
(CECAL DISEASES) (TUBERCULOSIS, GASTROINTESTINAL)  
(HYPERTROPHY AND HYPERPLASIA) (DIAGNOSIS, DIFFERENTIAL)

KAMINSKI, Zdzislaw; DYDYK, Lubomira; PAWLICKA, Lilia

Mediastinal chemodectoma. Polski przegl. chir. 35 no.6:621-623  
'63.

1. Z Zakladu Patologii Instytutu Gruzlicy w Warszawie Kierownik:  
prof. dr S. Chodkowska Z Oddzialu Chirurgicznego Instytutu  
Gruzlicy w Warszawie Kierownik: prof. dr L. Manteuffel Z  
Zakladu Radiologii Instytutu Gruzlicy w Warszawie Kierownik:  
prof. dr K. Ossowska.

(CAROTID BODY TUMOR) (MEDIASTINAL NEOPLASMS)  
(SURGERY, OPERATIVE)

KUTYBA, Janusz; PAWLICKI, Marek

Arterial blood pressure in workers of 2 different plants in  
Krakow. Pol. tyg.lek. 18 no.50:1874-1876 9 D'63

1. Z I Kliniki Chorob Wewnetrznych AM w Krakowie; kierownik:  
prof.dr.med. Leon Tochowicz.

\*

PAWLICKI, R.

What happened to our motions with regard to the improvement of  
administration? p. 34. GOSPODARKA ZBOZOWA. Vol. 7, no. 6,  
June 1956. Warszawa.

SOURCE: EEAL, Vol 5, no. 11, August 1956